

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-001573**Date Inspected:** 26-Feb-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1630**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Sha Zhi**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Tower Mock-Up, OBG Components**Summary of Items Observed:**

The Caltrans Quality Assurance Inspector (QA), M. Paul Stovall, was present at Zhenhua Port Machinery Company, (Z. P. M. C.), on Changxing Island, Shanghai, China for the purpose of monitoring the fabrication of the SAS/San Francisco/Oakland Bay Bridge.

The QA Inspector did Magnetic Particle Tests (MT) on Side Plate (SP) 076-01-(011-012), (07-08) and (03-04) and SP063-01-(040-050). The QA Inspector did over 10 % of what Z. P. M. C. Quality Control (QC) did. The welds appeared to meet the contract documents.

89-meter Mock-Up, Z. P. M. C. Welder Li Mengqian—055560, was working on weld number MUB-MA21-J/J-8, this was an Ultrasonic Test (UT) Reject. The Repair was labeled as CWR-048, Welding Procedure Specification (WPS)-345-SMAW-1G (1F)-Repair and WPS-345-FCAW-1G (1F)-Repair. Welding was in process and on going when the QA Inspector's shift ended. The QA Inspector measured and recorded the following WPS variables: 298 amps and 28.9 volts.

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Summary of Conversations:

The QA Inspector had no substantial conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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| Inspected By: | Stovall,Paul | Quality Assurance Inspector |
| Reviewed By: | Hager,Craig | QA Reviewer |
